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TASK 3180
cc: Lynn

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Div. of Oil, Gas & Mining

Chief Consolidated Mining Company
Planned Drilling Program
Eureka Utah
File No. M/049/062

Chief Consolidated Mining Company "Chief" plans to drill a total of four confirmatory drill holes into the Burgin ore body from surface locations west of the Burgin No. 2 shaft. The surface and mineral rights in the exploration area are owned by the company. The drill pads have been located immediately adjacent to an existing trail constructed by Kennecott. Other than cleanup of the trail, surface disturbance resulting from access and the pads will be minimal.

The approximate elevation of the pads is 5825 feet. The holes will started as reverse circulation holes from the surface to a depth of about 1250 feet and then completed as core holes. The core holes are planned for about 600 additional feet. The core drilling will penetrate a single unconfined geothermal aquifer at an elevation of 4535 feet. Based on prior drilling in the mine area, there are no perched aquifers present between the surface and the unconfined geothermal aquifer.

All operations and reclamation will be conducted in accord with the applicable practices set forth in Rules R647-2-107 and 109.

Requested Drill hole plugging variance from Rule R947-2-108.

The extensive unconfined geothermal aquifer in the East Tintic Mountains in the vicinity of the Burgin mine has been penetrated by extensive mine workings and numerous drill holes. Historically Kennecott Copper Company mined below the water table for over 20 years. Since there are no fresh water or other aquifers in the vicinity of the mine, there is no potential for this water migrating from one strata to another.

Therefore the protective objectives of the drill hole plugging rule can be met while not plugging the holes in the subsurface. Rather it is proposed to backfill drill cuttings from the surface and tamping the returned cuttings to within five feet of ground level. Then the hole above the tamped cuttings will be filled with a cement plug.